

Application No. (if known): 10/696,552

Attorney Docket No.: 51565(70329)

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Signature

Susan Dillon

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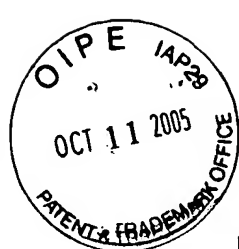
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Fee Transmittal (1 page)  
IDS (Citation) by Applicant (9 References)  
Information Disclosure Statement  
Transmittal (2 pages)  
Charge \$180.00 to deposit account 04-1105



10-13-05

JFW  
\$

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

|   |                        |                        |
|---|------------------------|------------------------|
| <b>TRANSMITTAL<br/>FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 10/696,552-Conf. #7823 |
|   | Filing Date            | October 29, 2003       |
|   | First Named Inventor   | Masaru Seita           |
|   | Art Unit               | 1775                   |
|   | Examiner Name          | M. E. Lavilla          |
| Total Number of Pages in This Submission  | Attorney Docket Number | 51565(70329)           |

**ENCLOSURES (Check all that apply)**

|   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under<br>37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication<br>to TC<br><input type="checkbox"/> Appeal Communication to Board of<br>Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please<br>Identify below):<br>Return Receipt Postcard |
| <b>Remarks</b>  |  |  |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|              |                       |          |        |
|--------------|-----------------------|----------|--------|
| Firm Name    | EDWARDS & ANGELL, LLP |          |        |
| Signature    |                       |          |        |
| Printed name | Peter F. Corless      |          |        |
| Date         | October 11, 2005      | Reg. No. | 33,860 |

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Dated: October 11, 2005

Signature: Susan M Dillon (Susan Dillon)



|  |  |                          |                        |
|--|--|--------------------------|------------------------|
| <b>Effective on 12/08/2004.</b><br>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). |  | <b>Complete if Known</b> |                        |
| <b>FEE TRANSMITTAL</b><br><b>For FY 2005</b>   |  | Application Number       | 10/696,552-Conf. #7823 |
|  |  | Filing Date              | October 29, 2003       |
|  |  | First Named Inventor     | Masaru Seita           |
|  |  | Examiner Name            | M. E. Lavilla          |
|  |  | Art Unit                 | 1775                   |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27                             |  | Attorney Docket No.      | 51565(70329)           |
| <b>TOTAL AMOUNT OF PAYMENT</b>   |  | <b>(\$)</b>              | <b>180.00</b>          |

|   |   |
|---|---|
| <b>METHOD OF PAYMENT</b> (check all that apply)   |   |
| <input type="checkbox"/> Check  | <input type="checkbox"/> Credit Card  |
| <input type="checkbox"/> Money Order  | <input type="checkbox"/> None   |
| <input type="checkbox"/> Other (please identify): _____   |   |
| <input checked="" type="checkbox"/> Deposit Account   | Deposit Account Number: <u>04-1105</u> Deposit Account Name: <u>Edwards &amp; Angell, LLP</u> |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)                |   |
| <input checked="" type="checkbox"/> Charge fee(s) indicated below   | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee             |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 | <input checked="" type="checkbox"/> Credit any overpayments                                   |

|   |                     |   |                      |                                  |                         |                     |                       |
|---|---------------------|---|----------------------|----------------------------------|-------------------------|---------------------|-----------------------|
| <b>FEE CALCULATION</b>  |                     |   |                      |                                  |                         |                     |                       |
| <b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>  |                     |   |                      |                                  |                         |                     |                       |
|   | <b>FILING FEES</b>  |   | <b>SEARCH FEES</b>   |                                  | <b>EXAMINATION FEES</b> |                     |                       |
|   |                     | <b>Small Entity</b>                                     |                      | <b>Small Entity</b>              |                         | <b>Small Entity</b> |                       |
| <b>Application Type</b>   | <b>Fee (\$)</b>     | <b>Fee (\$)</b>   | <b>Fee (\$)</b>      | <b>Fee (\$)</b>                  | <b>Fee (\$)</b>         | <b>Fee (\$)</b>     | <b>Fees Paid (\$)</b> |
| Utility   | 300                 | 150   | 500                  | 250                              | 200                     | 100                 |                       |
| Design  | 200                 | 100   | 100                  | 50                               | 130                     | 65                  |                       |
| Plant   | 200                 | 100   | 300                  | 150                              | 160                     | 80                  |                       |
| Reissue   | 300                 | 150   | 500                  | 250                              | 600                     | 300                 |                       |
| Provisional   | 200                 | 100   | 0                    | 0                                | 0                       | 0                   |                       |
| <b>2. EXCESS CLAIM FEES</b>   |                     |   |                      |                                  |                         |                     |                       |
| <b>Fee Description</b>  |                     |   |                      |                                  |                         | <b>Small Entity</b> |                       |
|   |                     |   |                      |                                  |                         | <b>Fee (\$)</b>     | <b>Fee (\$)</b>       |
| Each claim over 20 (including Reissues)   |                     |   |                      |                                  |                         | 50                  | 25                    |
| Each independent claim over 3 (including Reissues)  |                     |   |                      |                                  |                         | 200                 | 100                   |
| Multiple dependent claims   |                     |   |                      |                                  |                         | 360                 | 180                   |
| <b>Total Claims</b>   | <b>Extra Claims</b> | <b>Fee (\$)</b>   | <b>Fee Paid (\$)</b> | <b>Multiple Dependent Claims</b> |                         |                     |                       |
|   |                     |   |                      | <b>Fee (\$)</b>                  | <b>Fee Paid (\$)</b>    |                     |                       |
| <b>Indep. Claims</b>  | <b>Extra Claims</b> | <b>Fee (\$)</b>   | <b>Fee Paid (\$)</b> |                                  |                         |                     |                       |
|   |                     |   |                      |                                  |                         |                     |                       |
| <b>3. APPLICATION SIZE FEE</b>  |                     |   |                      |                                  |                         |                     |                       |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). |                     |   |                      |                                  |                         |                     |                       |
| <b>Total Sheets</b>   | <b>Extra Sheets</b> | <b>Number of each additional 50 or fraction thereof</b> | <b>Fee (\$)</b>      | <b>Fee Paid (\$)</b>             |                         |                     |                       |
|   |                     |   |                      |                                  |                         |                     |                       |
| <b>4. OTHER FEE(S)</b>  |                     |   |                      |                                  |                         |                     |                       |
| Non-English Specification, \$130 fee (no small entity discount)   |                     |   |                      |                                  |                         |                     |                       |
| Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement   |                     |   |                      |                                  |                         |                     | 180.00                |

|                     |                  |                                   |                  |
|---------------------|------------------|-----------------------------------|------------------|
| <b>SUBMITTED BY</b> |                  |                                   |                  |
| Signature           |                  | Registration No. (Attorney/Agent) | 33,860           |
| Name (Print/Type)   | Peter F. Corless | Telephone                         | (617) 439-4444   |
|                     |                  | Date                              | October 11, 2005 |

|   |   |
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| Dated: October 11, 2005   | Signature: <u>Susan M Dillon</u> (Susan Dillon) |



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Dated: October 11, 2005

Signature:

*Susan M. Dillon*  
(Susan Dillon)

Docket No.: 51565(70329)  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Masaru Seita et al.

Application No.: 10/696,552

Confirmation No.: 7823

Filed: October 29, 2003

Art Unit: 1775

For: **FORMALDEHYDE-FREE ELECTROLESS  
COPPER PLATING PROCESS AND  
SOLUTION FOR USE IN THE PROCESS**

Examiner: M. E. Lavilla

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "Documents Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent

applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed documents.

Please charge our Deposit Account No. 04-1105 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 51565(70329). A duplicate copy of this paper is enclosed.

Dated: October 11, 2005

Respectfully submitted,

By 

Peter F. Corless

Registration No.: 33,860  
EDWARDS & ANGELL, LLP  
P.O. Box 55874  
Boston, Massachusetts 02205  
(617) 439-4444  
Attorneys/Agents For Applicant



PTO/SB/08a/b (07-05)

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| <b>Substitute for form 1449A/B/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    |   | <b>Complete If Known</b> |                        |
|   |   |    |   | Application Number       | 10/696,552-Conf. #7823 |
|   |   |    |   | Filing Date              | October 29, 2003       |
|   |   |    |   | First Named Inventor     | Masaru Seita           |
|   |   |    |   | Art Unit                 | 1775                   |
|   |   |    |   | Examiner Name            | M. E. Lavilla          |
| Sheet   | 1 | of | 1 | Attorney Docket Number   | 51565(70329)           |

| U.S. PATENT DOCUMENTS |                          |  |                                |  |   |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       | AA*                      | US-6,899,781-B2                          | 01-01-2004                     | Seita et al.                                       |   |
|                       | AB*                      | US-6,881,319-B2                          | 05-22-2003                     | Seita et al.                                       |   |
|                       | AC*                      | US-6,740,425-B2                          | 04-10-2003                     | Seita et al.                                       |   |
|                       | AD*                      | US-5,454,930                             | 10-03-1995                     | Miura et al.                                       |   |
|                       | AE*                      | US-5,302,256                             | 04-12-1994                     | Miura et al.                                       |   |
|                       | AF*                      | US-4,539,044                             | 09-03-1985                     | Abu-Moustafa et al.                                |   |
|                       | AG*                      | US-2004/0050706-A1                       | 03-18-2004                     | Seita et al.                                       |   |
|                       | AH*                      | US-2003/0155247-A1                       | 08-21-2003                     | Miura et al.                                       |   |
|                       | AI*                      | US-2002/0066671-A1                       | 06-06-2002                     | Shelnut et al.                                     |   |

| FOREIGN PATENT DOCUMENTS |                          |   |                     |  |   |                |
|--------------------------|--------------------------|---|---------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |  |   |                |
|                          |                          |   |                     |  |   |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS |                          |   |                |
|---------------------------------|--------------------------|---|----------------|
| Examiner<br>Initials            | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|                                 |                          |   |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|